

35. (New) The method according to claim 32, wherein at least one of said bioactive agents is a nucleic acid.

36. (New) The method according to claim 32, wherein at least one of said bioactive agents is a protein.

37. (New) The method according to claim 32, wherein said microspheres are distributed in a substrate comprising a surface with discrete sites.

38. (New) The method according to claim 27 or 37, wherein said substrate is selected from the group consisting of glass, plastic and fiber optic bundle.

39. (New) The method according to claim 27 or 32, wherein said labels are fluorescent labels.

In the Specification:

Please replace the paragraph beginning at page 6, line 1, with the following rewritten paragraph:

Figure 5 Use of fluorescence resonance energy transfer to discriminate between linkers of varying length (SEQ ID NOS:1-6).

Please replace the paragraph beginning at page 64, line 27, with the following rewritten paragraph:

Example 5

The following FRET oligonucleotides (probes ET1, ET2, ET5 and ET7) were synthesized as is known in the art and labeled with Cy3 and fluorescein separated by linkers of varying length:

ET1 T**G*ACGAGAATGGAGGTATCT (SEQ ID NO:1)

ET2 C**TGTCGC*ACGAGAATGGAGGTATCT (SEQ ID NO:2)

ET5 C**TGTCGGGGCACTCATTTGTGC*ACGAGAATGGAGGTATCT (SEQ ID NO:5)

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ET7 C**TGTCGGGGCACTCATTTGTCTGTCGGGGCGC*ACGAGAATGGAGGTATCT. (SEQ
ID NO:6)

**is Cy3 * is fluorescein

Please insert the enclosed 2-page text entitled "Sequence Listing" into the specification preceding the section entitled "Claims."